Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
10280-058001Application No.
10/602,141
**Information Disclosure Statement
by Applicant**
 (Use several sheets if necessary)
Applicant
Sato et al.Filing Date
June 23, 2003Group Art Unit
1639

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
TW	AA	US2002/0019350	2002-02-14	Levine et al.			
	AB	US2002/0146750	2002-10-10	Hoogenboom et al.			
	AC	US2002/0164667	2002-11-07	Alitalo et al.			
	AD	US2003/0069395	2003-04-10	Sato et al.			
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
TW	AL	WO 03/074005	2003-9-12	WIPO				
	AM							
	AN							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
TW	AO	Burger et al. "Pre-clinical evaluation of a methotrexate-albumin conjugate (MTX-HSA) in human tumor xenografts <i>in vivo</i> " <i>International Journal of Cancer</i> 92:718-724 (2001).
TW	AP	Yeh et al., "Design of yeast-secreted albumin derivatives for human therapy: biological and antiviral properties of a serum albumin-CD4 genetic conjugate." <i>Proc Natl Acad Sci U S A</i> ; 89(5): 1904-8 (1992).
	AQ	
	AR	

Examiner Signature

Date Considered

1/24/05

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
TW	BA	US2004-0009534	Jan. 15, 2004	Sato et al.	435	7.1	
↓	BB	US5,538,897	Jul. 23, 1996	Yates et al.	436	89	
↓	BC	US5,767,243	Jun. 16, 1998	Lichenstein et al.	530	350	
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
	BL						
	BM						
	BN						
	BO						

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
TW	BP	Akerstrom et al., "Definition of IgG- and Albumin-binding Regions of Streptococcal Protein G*", <i>Journal of Biological Chemistry</i> 262(28):13388-13391 (1987)					
↓	BQ	Sato et al., "Development of Mammalian Serum Albumin Affinity Purification Media by Phage Display." <i>Biotechnol. Prog.</i> 18:182-192 (2002).					
↓	BR	Venerando et al., "Interactions of Ganglioside GM1 with Human and Fetal Calf Sera Formation of Ganglioside-Serum Albumin Complexes", <i>Biochimica et Biophysica Acta</i> 692: 18-26 (1982)					
↓	BS	Yousif et al., "Staphylococcal Neutral Phosphatase: A highly catatonic molecule with binding properties for immunoglobulin", <i>APMIS</i> 102: 891-900 (1994)					

Examiner Signature T. Wray	Date Considered 1/24/05
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Sheet 1 of 2

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(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
✓	AA	5,116,944	05/26/1992	Sivam et al.	—	—	
✓	AB	5,223,409	06/29/1993	Ladner et al.	—	—	
✓	AC	5,780,594	07/14/1998	Daniel	—	—	
	AD						
	AE						
	AF						
	AG						
	AH						

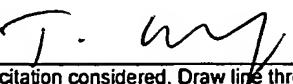
Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
✓	AI	EP 0 395918	11/07/1990	Europe	—	—	
✓	AJ	WO 91/01743	02/21/1991	WIPO	—	—	
✓	AK	WO 92/12236	07/23/1992	WIPO	—	—	
✓	AL	WO 00/37501	06/29/2000	WIPO	—	—	
	AM						

Other Documents (include Author, Title, Date, and Place of Publication)		
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✓	AN	Adams, P. et al., "Heme-Peptide/Protein Interactions: The Binding of Heme Octa and Undecapeptides, and Microperoxidase-8 and -11, to Human Serum Albumin," <i>J. Inorg. Biochem.</i> , 37: 91-103, (1989).
✓	AO	Arakawa, T. and Kita, Y., "Stabilizing Effects of Caprylate and acetyltryptophanate on Heat-Induced Aggregation of Bovine Serum Albumin," <i>Biochim. Biophys. Acta</i> , 1479: 32-36, (2000).
✓	AP	Chhabra, al., Appraisal of New Variants of Dde Amine Protecting Group for Solid Phase Peptide Synthesis," <i>Tetrahedron Lett.</i> , 39: 1603-1606, (1998).
✓	AQ	Cheruvallath, V. et al., 'The Effect of Octanoic Acid on the Binding of the Enantiomers of Ibuprofen and Naproxen to Human Serum Albumin: A Chromatographic Implication," <i>Pharm. Res.</i> , 13: 173-178, (1996).
✓	AR	Hollon, T., "HGS Targets Patent-Expiring Drugs," <i>Nat. Biotechol.</i> , 28: 1238-1239, (2000).
✓	AS	Kobayashi, K. et al., "The Development of Recombinant Human Serum Albumin," <i>Ther. Apher</i> , 2: 257-262, (1998).

Examiner Signature <i>T. W.</i>	Date Considered <i>1/24/05</i>
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TW	AT	Kragh-Hansen, U., "Octanoate Binding to the Indole-and Benzodiazepine Binding Region of Human Serum Albumin," <i>Biochem. J.</i> , 273: 641-644, (1991).
	AU	Luik, A. et al., "Study of Human Serum Albumin Structure by Dynamic Light Scattering: Two Types of Reactions Under Different pH and Interaction With Physiologically Active Compounds," <i>Spectrochim. Acta Part A</i> , 54: 1503-1507, (1998).
	AV	Mahany, T. et al., "Studies on the Affinity Chromatography of Serum Albumins from Human and Animal Plasmas," <i>Camp. Biochem. Physiol.</i> , 68B: 319-323, (1981).
	AW	Merrifield, R., "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide," <i>J. Am. Chem. Soc.</i> , 85: 2149-2154, (1963).
	AX	Norde, W. and Giacomelli, C., 'BSA Structural Changes During Homomolecular Exchange Between the Adsorbed and the Dissolved States," <i>J. Biotechnol.</i> , 79: 259-268, (2000).
	AY	Pingali, A. et al., "Peptides as Affinity Surfaces for Protein Purification," <i>J. Mol. Recognit.</i> , 9: 426-432, (1996).
	AZ	Ross, P. et al., "Thermal Stability of Human Albumin Measured by Differential Scanning Calorimetry," <i>VOX Sang.</i> , 47: 19-27, (1984).
	AAA	Saeed, M. et al., "Blood Pool MR Contrast Agents for Cardiovascular Imaging," <i>J. Magn. Reson. Imaging</i> , 12: 890-898, (2000).
	ABB	Seabold, J., 'Radionuclide Venography and Labeled Platelets in Deep Venous Thrombosis," <i>Semin. Nucl. Med.</i> , 31: 124-128, (2001).
	ACC	Shani, M. et al., "Expression of Human Serum Albumin in the Milk of Transgenic Mice," <i>Transgenic Res.</i> , 1: 195-208, (1992).
	ADD	Shake, A. et al., "Thermal Stability of Human Albumin Measured by Differential Scanning Calorimetry," <i>VOX Sang.</i> , 47: 7-18, (1984).
	AEE	Sijmons, P. et al., "Production of Correctly Processed Human Serum Albumin in Transgenic Plants," <i>Biotechnology</i> , 8: 217-221, (1990).
	AFF	Szekerke, M. et al., "A New Approach to the Study of the Contribution of Peptide Carriers to Antitumor Activity: Binding of the Peptide Moiety to Human Serum Albumin," <i>FEBS Letters</i> , 44: 160-163, (1974).

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